



Labor Market Trends

Show Me the Best Jobs!





A Conundrum. . .

**Workers Can't
Find Jobs**

**Employers
Can't
Find Workers**





What's Wrong?

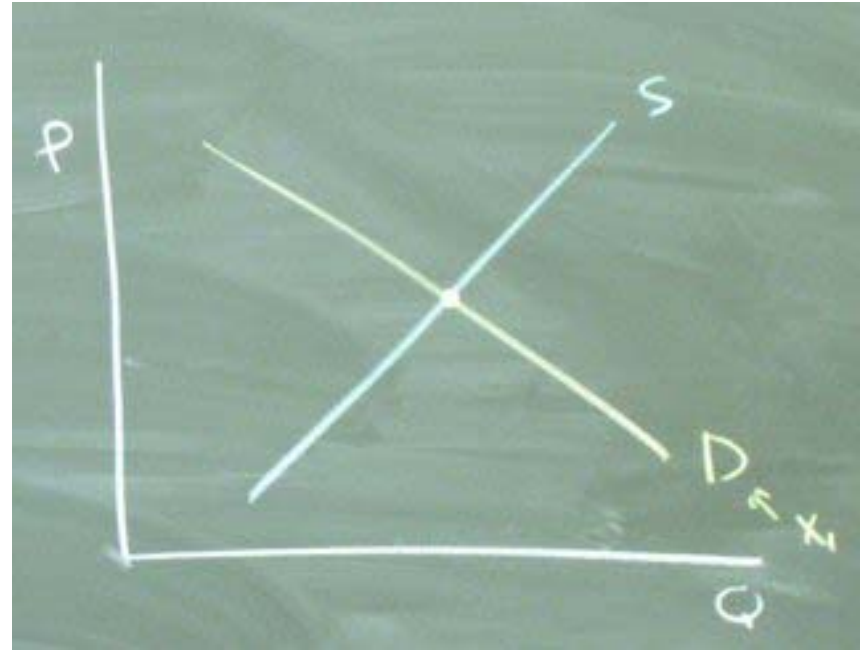
Workers don't have the skills employers need.





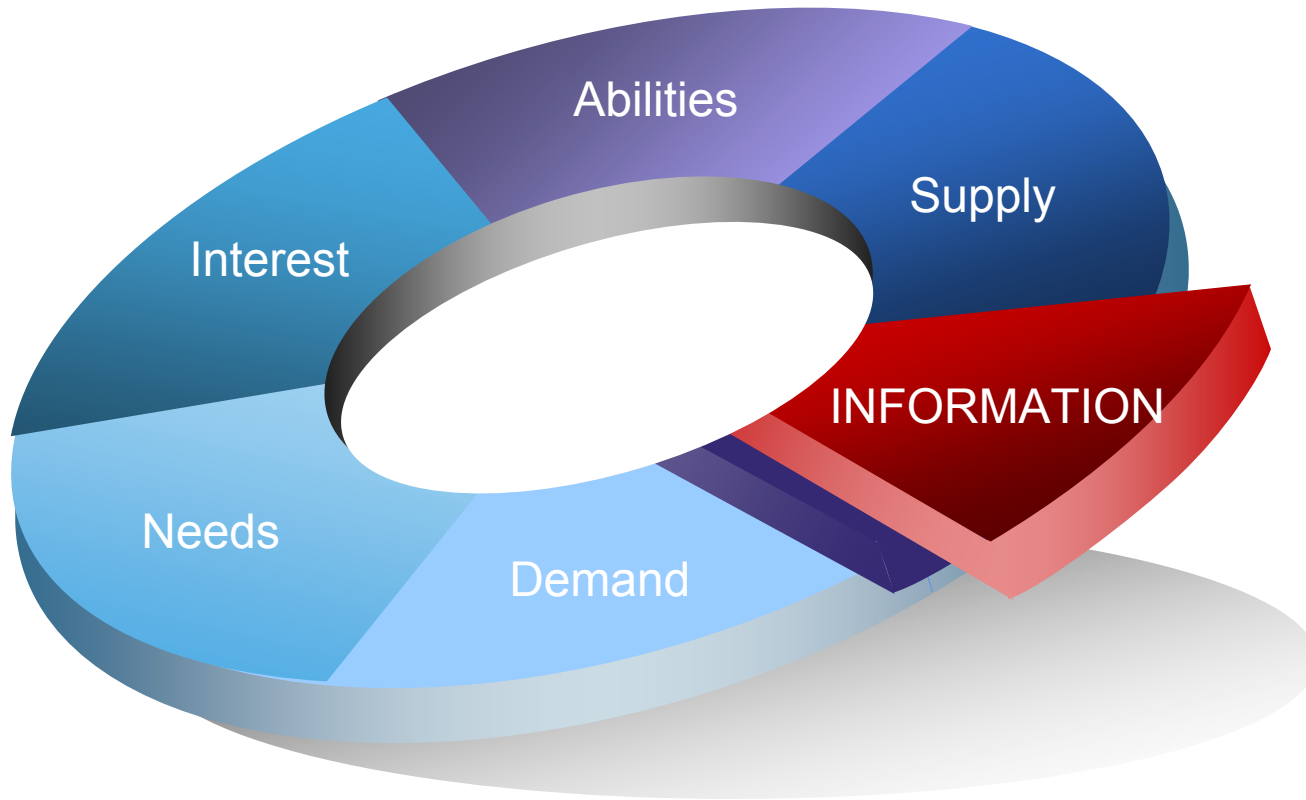
Economics 101

- Projections represent only DEMAND.
- Supply information is almost impossible to obtain.





Making a Career Choice





Things to Remember

1. Based on Employment Trends

2. We don't have a crystal ball

3. We don't ask employers

4. Supply and Demand

4. All occupations will have openings



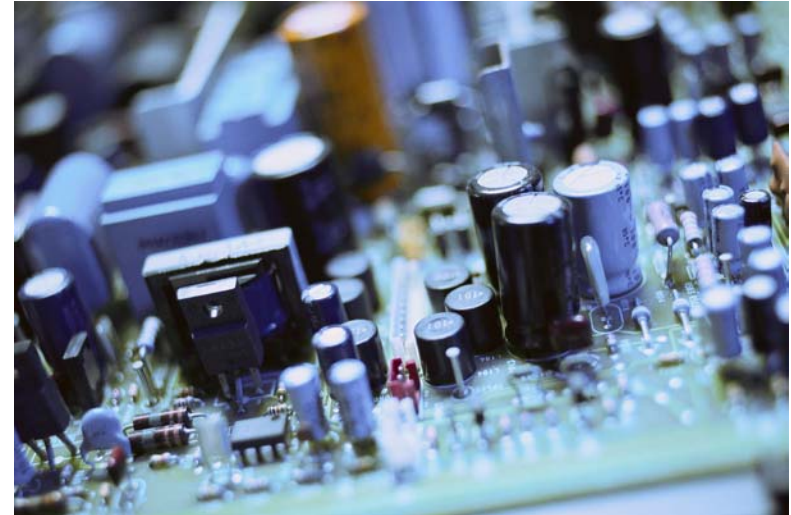


Let's Talk Trends





Here and Across the Nation



- Medical/Healthcare
- Technical/Computer-Related





The Baby Boomer Effect

- Boomers are getting older and will require more healthcare.
- Boomers are starting to retire—increasing demand for workers.





Computers and Technology

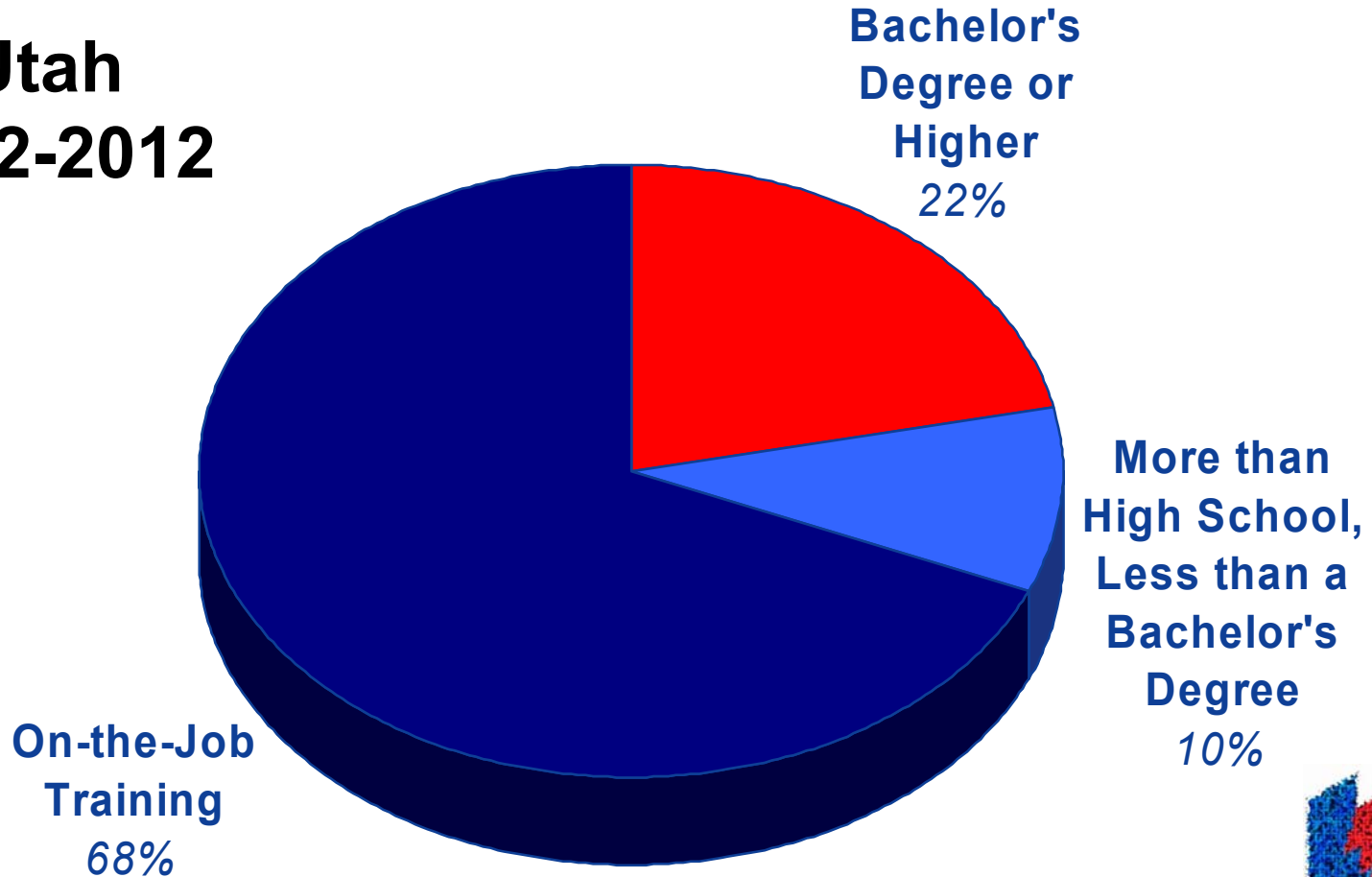
- Computers do more and more.
- Workers are needed to program, repair and design them.





New Jobs by Training Level

**Utah
2002-2012**





Bigger and Bigger...

The share of jobs that require a college education is growing.





And, Education Pays...

Professional



\$95,488

Doctorate



\$74,712

Master's



\$52,974

Bachelor's



\$43,782

Associate's



\$32,468

Some College



\$25,686

High School Grad



\$23,594

Not a High School Grad

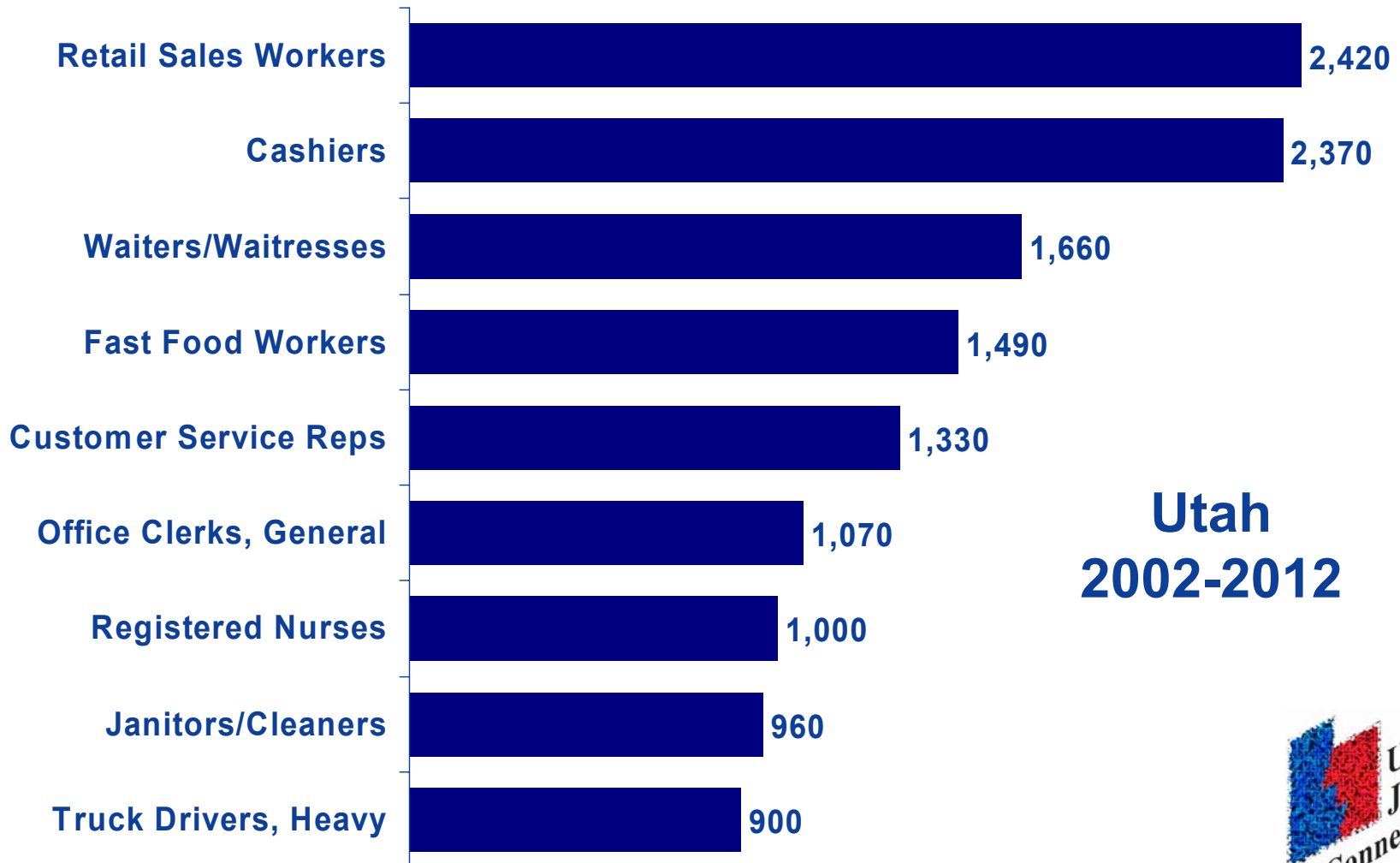


\$16,053





Jobs with the Most Openings



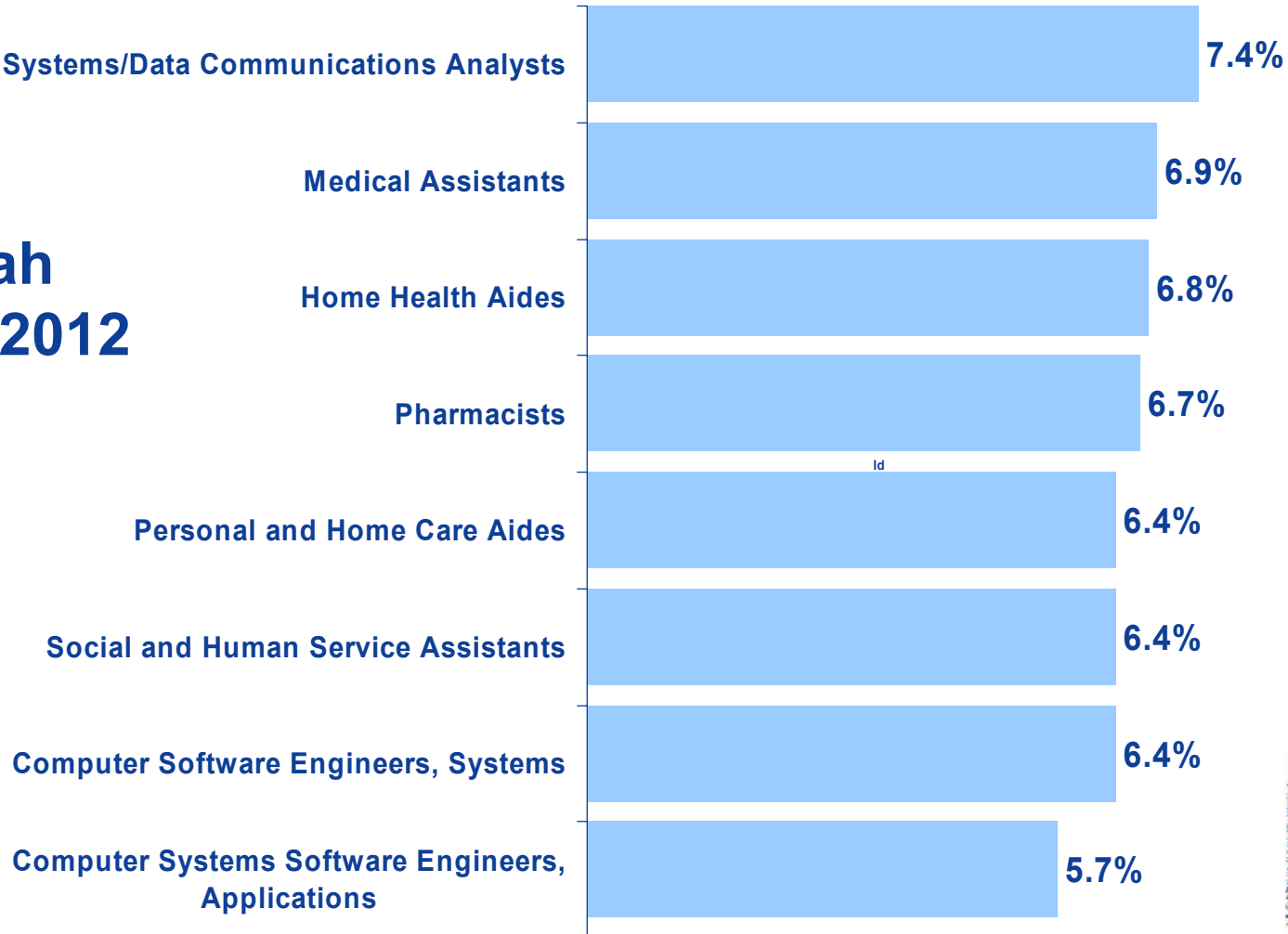
**Utah
2002-2012**





Fastest Growth

**Utah
2002-2012**





SOMETHING NEW!

*****Star Ratings*****





Things to Remember

1. Jobs are rated 0-5 Stars

2. “Five Star” is the Best

3. Based on Employment Outlook

4. Based on Wages

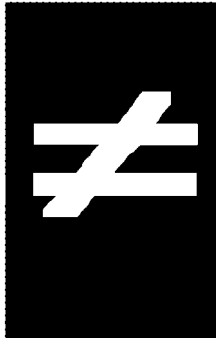
4. Applied by Training Level





Be Careful!

**A “five-star” college-degree job
will pay much better than a “five-
star” on-the-job training
occupation.**





Bachelor's Degree or Higher



- Chief Executives
- Computer and Information Systems Managers
- Computer Software Engineers, Applications
- Computer Software Engineers, Software





Bachelor's Degree or Higher



- Education Administrators--
Elementary/Secondary School
- Lawyers
- Management Analysts
- Marketing Managers
- Pharmacists
- Sales Managers





More than High School; Less than College



- Respiratory Therapists
- Paralegals/Legal Assistants
- Dental Hygienists
- Real Estate Sales Agents
- Cardiovascular Technologists and Technicians
- Electrical and Electronic Engineering Technicians
- Registered Nurses





On-the-Job Training



- Electricians
- Supervisors/Managers
 - Construction/Extraction, Mechanics/Installers/Repairers, Nonretail Sales Workers, Administrative, Police/Detectives, Production/Operation
- Plumbers/Pipefitters
- Police/Sheriff's Patrol Officers





On-the-Job Training



- Postal Service Mail Carriers
- Production/Planning/ Expediting Clerks
- Sales Reps
 - Technical/Scientific
 - Other
- Vocational Education Teachers, Postsecondary





A word about women...

The Bureau of Labor Statistics estimates that the average young woman will spend 30 years of her life in the labor market.





61%

58%

UTAH



U.S.

**A higher percentage of Utah
women work. . .**





Half the Labor Market. . .

**Men
55%**



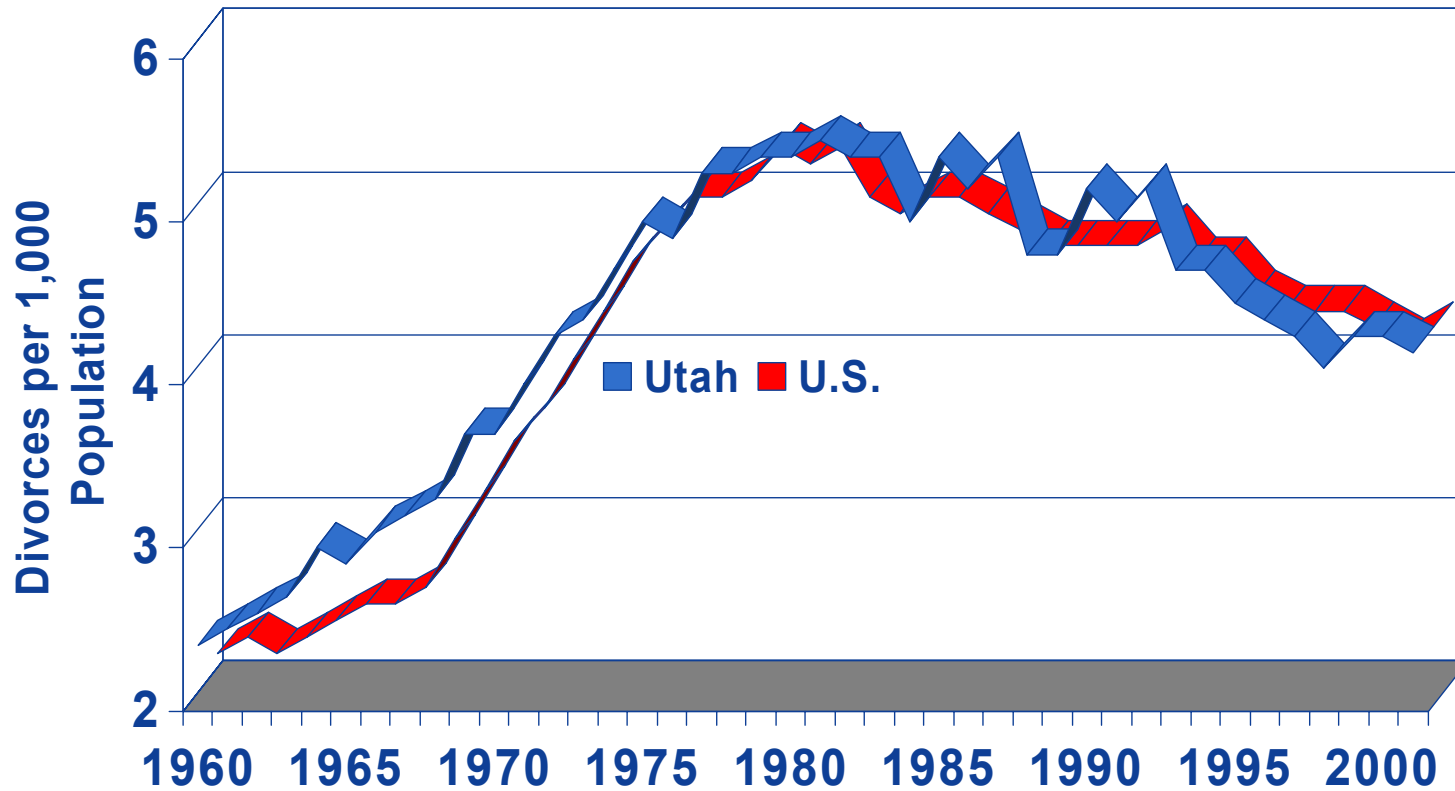
**Women
45%**

2000





Divorce rates remain high





Most working women are married





Most Utah Moms work...

**In the Labor
Force**
74%



**Not in Labor
Force**
26%

Utah Mothers with children 6-17





Utah women typically make less than Utah men

Median Earnings of
Year-Round, Full-time
Workers

\$36,935



Men

\$24,872



Women





Utah has one of the largest
male/female wage gaps in the U.S.



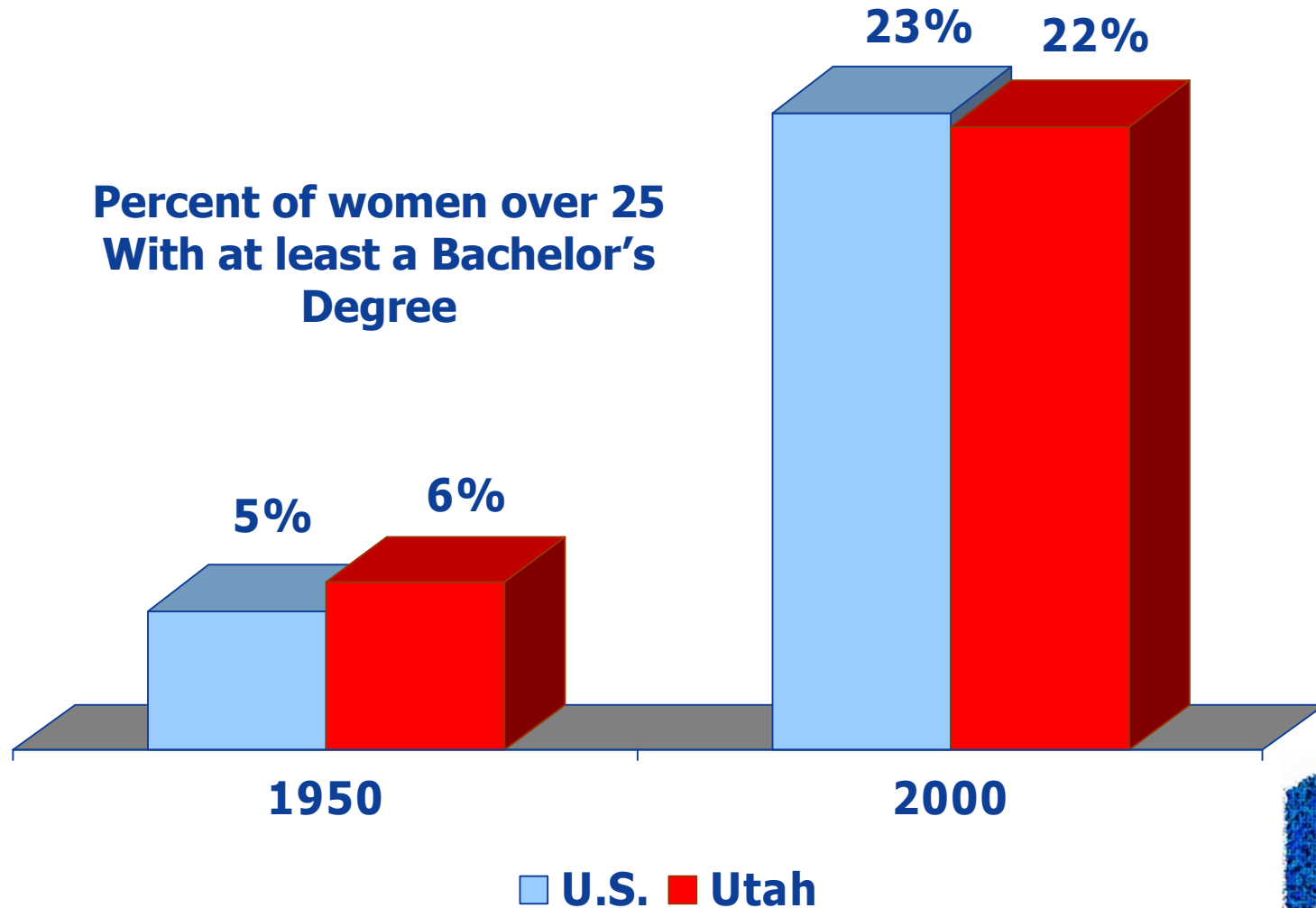


***Education Pays,
but Utah women are
not keeping up
with their U.S. counterparts***





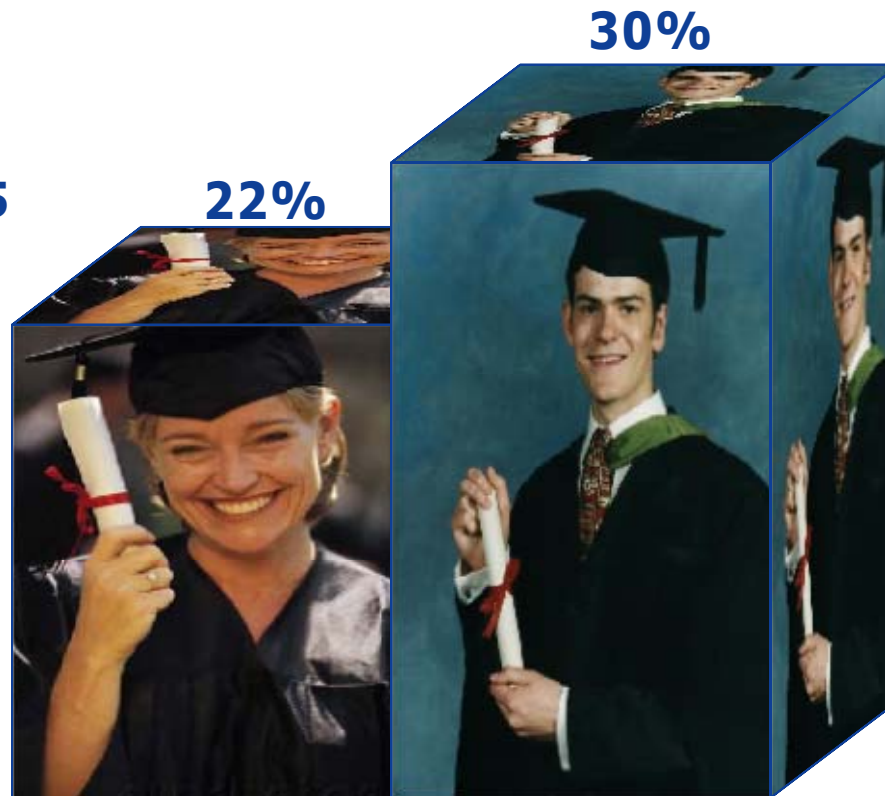
Utah Women are Behind the U.S.





And, they're not keeping up with Utah men...

Percent of
population over 25
With at least a
Bachelor's Degree



2000

■ Women ■ Men





Utah has the largest male/female college education gap in the U.S.





**When Women don't get
as much education as men,
they earn less!**





BUT

What's the main reason for the difference in Men's and Women's Wages?





Choice of Occupation





Rule of Thumb



***Generally,
the more nontraditional the
job for a woman the higher
the wages***





CASHIER

- \$8 an hour
- 40 hours a week
- \$320 a week





Computer Software Engineer

- \$29 an hour
- 20 hours a week
- \$580 a week





An Important Choice!

- Cashier

Less Time with Family
Lower Income

- Computer
Software
Engineer

More Time with Family
More Income



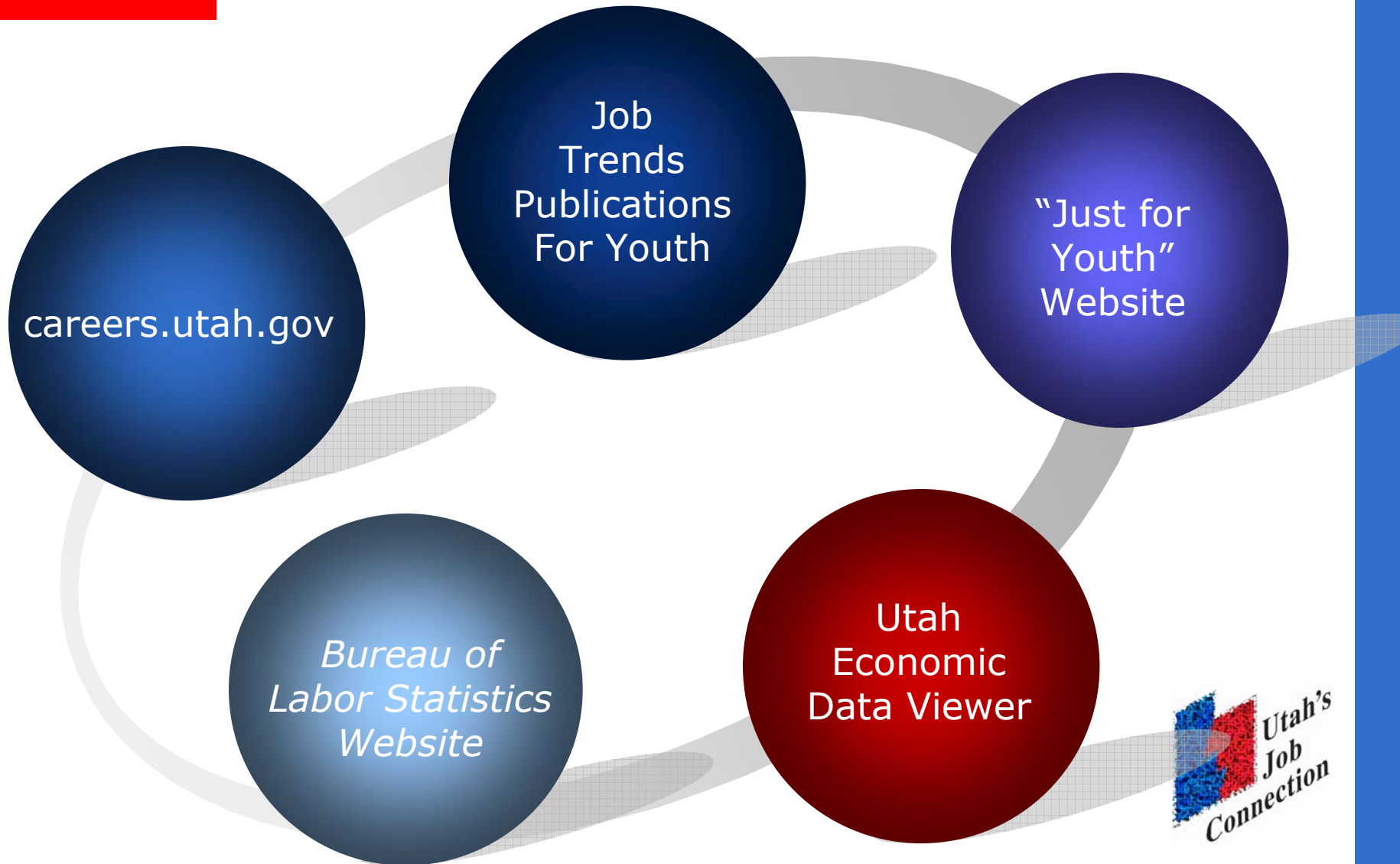


Show me the data!



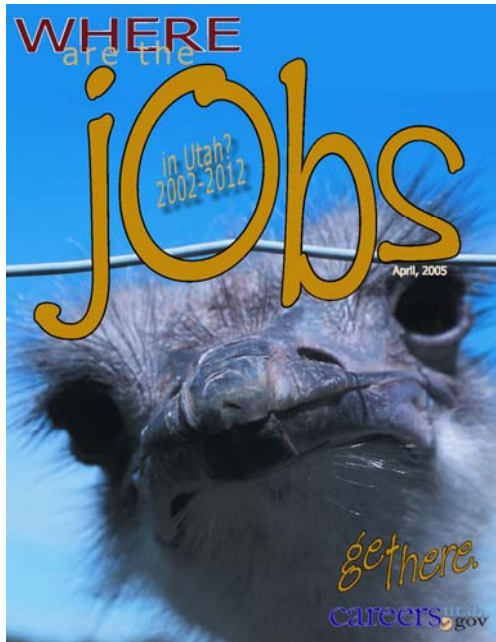


Sources of Information

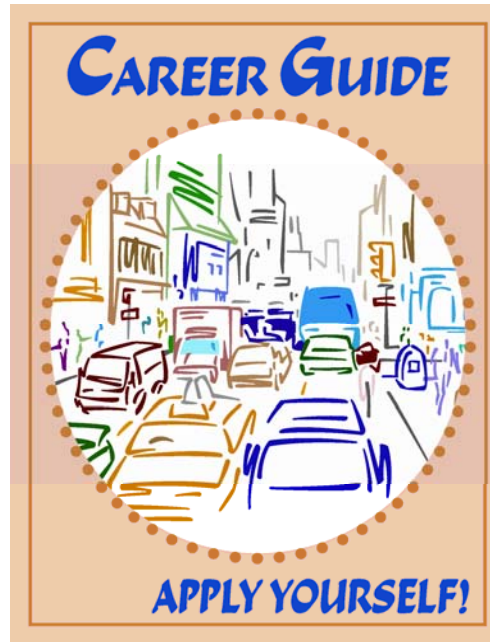




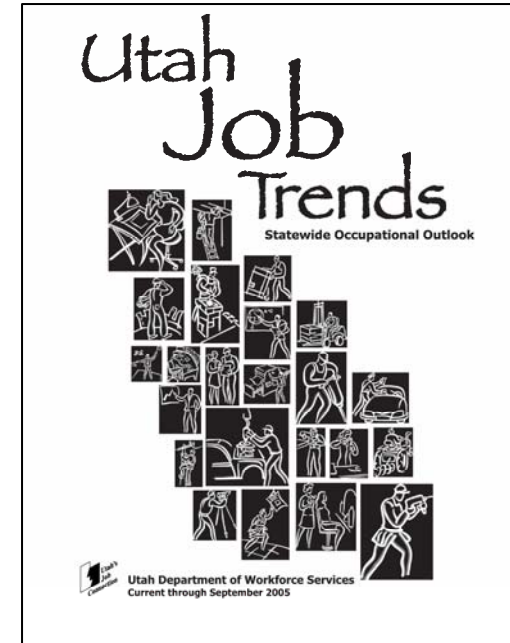
Job Trends Publications



Job Trends for Youth



Student Career Guide



Utah Job Trends

All publications are available at:
<http://jobs.utah.gov/wi/occi.asp>





“Just for Youth” Website

The screenshot shows the homepage of the "Just for Youth" website. The header features the site's name "Just for Youth" with "online now!" underneath, and a navigation bar with links: Agencies, Foster Youth, Crisis Info, A-Z Index, and Comments. A left sidebar lists various service categories: Home, Education, Employment, Housing, Finances, Health, Food/Nutrition, Mental Health, Substance Abuse, Pregnancy & Parenting, Transportation, Social, Legal, Foster Parents, and Foster Youth & Alums. The main content area is titled "Just For Utah Youth" and includes an "En Español" link. It displays several topic tiles: Education (Colleges and technical programs), Employment (Career planning), Health (Healthy Living), Food/Nutrition (Recipes), Substance Abuse & Mental Health, Pregnancy and Parenting (Resources), Transportation (Drivers license), Social (Local activities), and Legal (Low-cost legal help). A bottom footer contains the text "Utah Dept. of Human Services" and a series of links: Main Page, Foster Youth, Crisis Info, Agencies, Download pdf reader, Utah.gov, and A-Z Index.

<http://justforyouth.utah.gov>





Bureau of Labor Statistics

Exploring Career Information from the Bureau of Labor Statistics

What Interests You?



[Math](#) | [Reading](#) | [Science](#) | [Social Studies](#) | [Music & Arts](#) | [Building & Fixing Things](#) | [Helping People](#)
[Computers](#) | [Law](#) | [Managing Money](#) | [Sports](#) | [Nature](#)

[BLS Home Page](#) | [Teacher's Guide](#) | [BLS Career Information](#) | [A-Z List of Careers](#)

<http://www.bls.gov/k12>





careers.utah.gov

/ Home / Careers.utah.gov



Careers.utah.gov
Utah's Career Connection



Investigate
Careers



Explore Education
& Training



Find
a Job

Welcome to **Careers.utah.gov**, Utah's career connection!

Deciding what you want to do with your life can be overwhelming. Going to college, enrolling in career and technical training, taking a great job, or starting your own business are all possibilities.

Whether you're investigating careers, exploring education and training, or looking for a job, this website has tools and information to help you make informed decisions.

Hot Jobs in Utah

[more jobs](#)



Repair Worker

- Education
- Skills in Demand
- Wages and Trends

Find this Job ➔


[Glossary](#) | [Resources](#) | [Tips for Parents](#) | [FAQs](#) | [Partners](#) | [Feedback](#)

<http://careers.utah.gov>

Utah's
Job
Connection



Utah Economic Data Viewer

 **Department of Workforce Services**

Utah's Job Connection

Search

for Job Seekers

for Employers

for Information and Services

About DWS

Adjudications

Child Care

Unemployment Insurance

Workforce Information

Up

Utah Occupational Information

Occupational Wages

Utah Labor Force

Utah Population

Industry Employment and Wages

InfoUSA Employer Database

Veterans

Utah Occupation Information Data Viewer

Please choose a specific occupation by selecting one of the options below.

Option 1 - Search for an Occupation by Keyword

Type your keyword in the box and click the *Search* button.

Type keyword here:

Reset Keyword

Continue

Option 2 - Select Occupations by Groups

Click on the occupational groups from this list and click *Continue* button.

Sales and related occupations

Social scientists, community, and social services occupations

Textile, apparel, and furnishings occupations

Transportation services, tourism, and lodging occupations

Vehicle and mobile equipment mechanics, installers, and repairers occupations

Continue

UEDV UTAH ECONOMIC
DATA VIEWER

<http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do>





The Report

Utah Occupational Report for

Computer Software Engineers, Applications

Report Contents

Occupation Description	Occupation Wages
Employment Projections	License Information
Related Occupations	Skills
Current Job Openings	Schools and Training Providers

Occupational Description for Computer Software Engineers, Applications

Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. Exclude "Computer Hardware Engineers" (17-2061).

Utah Occupational Wages - Published December 2004

Area Name				
ALL OF UTAH	22	32.6	45,760	67,740
DAVIS, MORGAN, WEBER	21.9	29.8	45,390	61,940
PROVO-OREM MSA	20	32.5	41,420	67,420
SALT LAKE-OGDEN MSA	23.1	32.8	47,960	68,150

* Indicates that Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

** This wage is equal to or greater than \$70.00 per hour or \$145,600 per year.

Employment Projections 2002 - 2012

Area Name	Current Employment	Projected Employment	Annual % Change	Total Annual Openings	
Utah	2,700	4,250	5.7	180	5
Utah Metro	2,540	3,870	5.2	160	5
Utah Nonmetro	140	220	5.3	10	5





The Report

Utah License Information

Utah State license is not required for this occupation.

Related Occupations

[Aerospace Engineering and Operations Technicians](#)

[Computer Science Teachers, Postsecondary](#)

[Computer Support Specialists](#)

[Computer, Automated Teller, and Office Machine Repairers](#)

[Electrical and Electronics Repairers, Commercial and Industrial Equipment](#)

[Electrical and Electronics Drafters](#)

[Numerical Tool and Process Control Programmers](#)

Occupational Skills information

Computer Software Engineers, Applications

Importance

93

90

87

87

87

83

80

80

Skill

Operations

Analysis

Mathematics

Programming

Science

Troubleshooting

Active

Learning

Critical

Thinking

Speaking

Active

Analyzing needs and product requirements to create a design

Using mathematics to solve problems

Writing computer programs for various purposes

Using scientific rules and methods to solve problems

Determining causes of operating errors and deciding what to do about it

Understanding the implications of new information for both current and future problem-solving and decision-making

Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems

Talking to others to convey information effectively

Giving full attention to what other people are saying, taking time to understand the points being made

I





The Report

77

Active Listening understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times

77

Judgment and Decision Making Considering the relative costs and benefits of potential actions to choose the most appropriate one

*Importance is on a scale of 1 - 100. See <http://online.onetcenter.org> for further information.

Current Job Openings

Computer Software Engineers, Applications

Job Title	Date Posted	Location	Minimum Salary	Maximum Salary
Application Developer	05/10/2005	Davis		
Java SWT Developer	06/09/2005	Salt Lake		
Process Control Software Engineer	05/23/2005	Weber		
Quality Assurance Engineer	04/18/2005	Davis		
Senior Software Engineer	06/23/2005	Salt Lake		
Software Engineer	04/01/2005	Salt Lake		
Software Engineer	06/09/2005	Salt Lake		
Software Engineer	06/01/2005	Salt Lake		
Software Engineer	06/22/2005	Salt Lake	\$50000.00	\$90000.00
Software Engineer-Client Application	05/17/2005	Salt Lake		
Sr. Software Engineer-Client Application	05/17/2005	Salt Lake		
Test Systems Engineer III	06/14/2005	Salt Lake		
Web Page Developer	04/01/2005	Box Elder	\$9.00	\$12.00
Web-page Maintenance Worker	06/02/2005	Cache		
Windows CE Developer	05/24/2005	Salt Lake	\$50.00	\$55.00
Windows User Interface Developer	06/13/2005	Utah		
Wireless 802.11 Engineer	06/16/2005	Utah		

Education and Training Providers

Computer Software Engineers, Applications

[Click here to view Schools and Training Providers](#)

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DATA VIEWER





Other

- Remember Location
 - National
 - State
 - Local

- Lecia Parks Langston
 - 435-688-3115
 - lecialangston@utah.gov

